

L 16856-63

ACCESSION NR: AR3006318

O

initial accelerated phase and further retarded phase. The course of the curves is approximated by the formula $I = At^{-n}$ where $0 < n < 1$ and $A = \text{const.}$ It is concluded that the investigated specimens contain a broad set of energy adhesion levels for the electrons. The initial phase of the DD is due to small traps. Further retarded course of the DD is brought about by the liberation of the electrons which settle at deeper levels.

DATE ACQ: 15Aug63

SUB CODE: PH

ENCL: 00

Card 2/2

E 16856-63 EMT(1)/EWP(4)/EMT(5)/BDS/ES(II)-2 AFPTC/ASD/ESD-3/8SD

P-4 45/AT

ACCESSION NR: AR3006318

8/0058/63/000/007/H066/2066

67

SOURCE: RZh. Fizika, Abs. 7E430

AUTHOR: Nesterenko, P. S.

TITLE: Photoelectret state in polycrystalline cadmium sulfide

CITED SOURCE: Sb. Materialy* 4-y nauchn. konferentsii aspirantov.
Rostovsk. un-t. Rostov-na-Donu, 1962, 68-69

TOPIC TAGS: cadmium sulfide crystal, photoelectret state, dark polarization, photopolarization

TRANSLATION: When sintered specimens made of polycrystalline Cds activated with copper (10^{-4} g Cu per g Cds) are illuminated with white light and simultaneously exposed to an electric field, photopolarization is produced in the specimens. The process of dark depolarization (DD) can be arbitrarily subdivided into two phases:

Card 1/2

8/058/63/000/003/077/104
A059/A101

AUTHOR: Nesterenko, P.S.

TITLE: Problem of the kinetics of the photoconductivity of photoresistances made of polycrystalline cadmium sulfide

PERIODICAL: Referativnyj zhurnal, Fizika, no. 3, 1963, 77, abstract 3E539 (In collection: "Materialy 3-y Nauchn. konferentsii aspirantov. Rostovsk. un-t". Rostov-na-Donu, 1961, 117 - 121)

TEXT: The spectral characteristics of the steady photocurrent $I_{ph}^{st}(\lambda)$, the time of natural relaxation of the photocurrent $\tau^0(\lambda)$, and the photocurrent yield, $a_0(\lambda)$ were studied for the commercial photoresistances ФС-К1 (FS-K1) and ФСК2 (FS-K2). The curve of $I_{ph}^{st}(\lambda)$ has two maxima (in the region of 0.55 and 0.75 to 0.8 μ). $\tau^0(\lambda)$ monotonously increases in the region of 0.4 to 0.9 μ . $a_0(\lambda)$ has two maxima, i.e. for FS-K1 at the same wave lengths as I_{ph}^{st} , and for FS-K2 at smaller λ 's.

Yu. Tikhonik

[Abstracter's note: Complete translation]

Card 1/1

NESTERENKO P.S.

562-25(1) PHASE I BOOK EXPLOITATION SOV/2313

Akademiya nauk SSSR. Institut mashinovedeniya

Povyshenie stoykoosti detaily mashin /sulfidirovaniye/: abnormal
state (increasing the Wear Resistance of Machine Parts /Sul-
furation/ Collection of Articles). Moscow, MashGiz, 1959.
126 p. Errata slip inserted.
4,500 copies printed.

Ed. (Title Page): M. M. Kharushchov, Doctor of Technical Sciences;
Ed. (Inside book): A.G. Nikitin, Engineer-Tech. Ed.;
Kh. Kh. Khaidi, Headmaster Ed. for Literature on General Technical and
Transport Machine Building (Mashin) L.A. Ponomareva, Engineer.
Transport Machine Building (Mashin) L.A. Ponomareva, Engineer.

PURPOSE: This collection of articles is intended for engineering
and technical workers of machine-building and overhauling plants.

COVERAGE: This book presents results of investigations of methods
to increase the resistance of machine parts to sulfuring. A new
method of sulfurization which improves the resistance of
cast iron and steel and analysis of the effect of sulfuriza-
tion on the anti-friction properties and wear of metal are given.

These articles are the transactions of a seminar held at the
Institute of Mechanical Engineering of the Academy of Sciences,
USSR, in December 1956.

TABLE OF CONTENTS:

✓ Smirnov, N.S., Engineer. Results of Work on the Technology of
the Sulfurization Process in Rostov-na-Donu 111
Agricultural Machinery Plant
The author describes an investigation carried out at the
Rostov plant aimed at improving wear resistance of cutting
tools by sulfurization.

✓ Litvinenko, Ya. G., Candidate of Technical Sciences. Uses of
Sulfurization in Manufacturing Agricultural Machinery 115
In this article the author presents the results of lab-
oratory and bench tests of sulfurized and nonsulfurized for
machine parts carried out by RISKhM (Rostov Institute for
Agricultural Machinery) and ROSTSEZ (RASH).

✓ Brodskii, M. A., E.S. Maslennikova, and V.T. Shuvayev. X-ray and
Spectrum Analysis of Sulfurized Samples 121
The author describes an investigation of depth distribution
of sulfur in type 45 steel and gray cast iron sulfurized at
the ROSTSEZ (RASH).

✓ Leont'ev, D. S., Candidate of Chemical Sciences. Electrorefur-
tation 126
The author presents the results obtained from sulfuring
parts in various sulfuring salts at 240 to 270°C and in
various solutions of salts and 50 to 75°C using electrolytic
methods.

AVAILABLE: Library of Congress
Card 6/6

00/ao
10-20-59

SOV/94-58-11-9/28

The Installation of a Radiation Recuperator on a Cupola

32 mm; the recuperator is 6,000 mm high and
constructional details are given. The method of
installing the device is briefly described. The
equipment has proved satisfactory in service and
economises about 1,180 tons of coke a year.
There is 1 figure.

Card 2/2

SOV/94-52-11-9/28

AUTHOR: Dolotov, G.P.
Zhuravlev, P.A.
Kuznetsov, I.I
Kogan, G.M.
Kondakov, Ye.A.
Nesterenko, P.S.

TITLE: The Installation of a Radiation Recuperator on a Cupola
(Ustanovka radiatsionnogo rekuperatora na kupolke)
PERIODICAL: Promyshlennaya Energetika, 1958, Nr 11, p 19. (USSR)

ABSTRACT: This suggestion was awarded a fifth premium in an All-Union Power Economy competition. hitherto little use has been made of waste heat from foundry cupolas largely because the heat exchangers become dirty very quickly and therefore inefficient. Metal radiation recuperators of simple construction have recently been used abroad for this purpose. The authors proposed the installation of radiation recuperators for heating blast air on two cupolas of 18 tons per hour upwards. A sketch of the equipment is given. The recuperator consists of two metal tubes with an annular gap of

Card 1/2

MASTER COPY
BLOKHIN, M. A., NESTERENKO, P. S., and A. T. SHUVAYEV, (RCU)

"X-ray Spectral Investigation of Sulphur-containing Samples"

Materials of ;the 2nd All-Union Conference on X-ray Spectroscopy; Moscow, January 31 February 4, 1957 (Materialy II Vsesoyuznogo soveshchaniya po rentgenovskoy spektroskopii; Moskva, 31 yanvarya - 4 fevralya g.)

Kizvestiya Akademii nauk SSSR, Seriya fizicheskaya 1957, Vol 2, Nr 10, pp 1341 - 1342 (USSR)

1
A
1
1

KNYSHOV, Ivan Nikitich; VEDENIE, Vsevolod Pavlovich; KUTAFINOV,
F.P., red.

[Upravlenie po voprosam, sledstvuyushchim po obzornym i aeroflota levotu,
komanditskym i komercial'nym repertoriym, i drugim trudovym kartyam
kotorye vydavayut, 1961. - 50 p.]

(MFA 17:16)

NESTERENKO, Petr Makaimovich; GUSAK, Fedor Akimovich [Husak, F.A.];
SERIKOV, Nikolay Andreyevich [Sierikov, M.A.]; BERNATSKIY, S.V.
[Bernats'kyi, S.V.], red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Raising waterfowl; practices of the "XX Z'izd KPRS" Collective
Farm, Primorskiy District, Stalino Province] Rozvedennia vodo-
plavnoi ptytsi; z dosvidu kolhospu im. XX z'izdu KPRS, Prymors'koho
raionu, Stalins'koi oblasti. Kyiv, 1958. 27 p. (Tovarystvo dlia
poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3.
no.18) (MIRA 12:2)

(Water birds)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

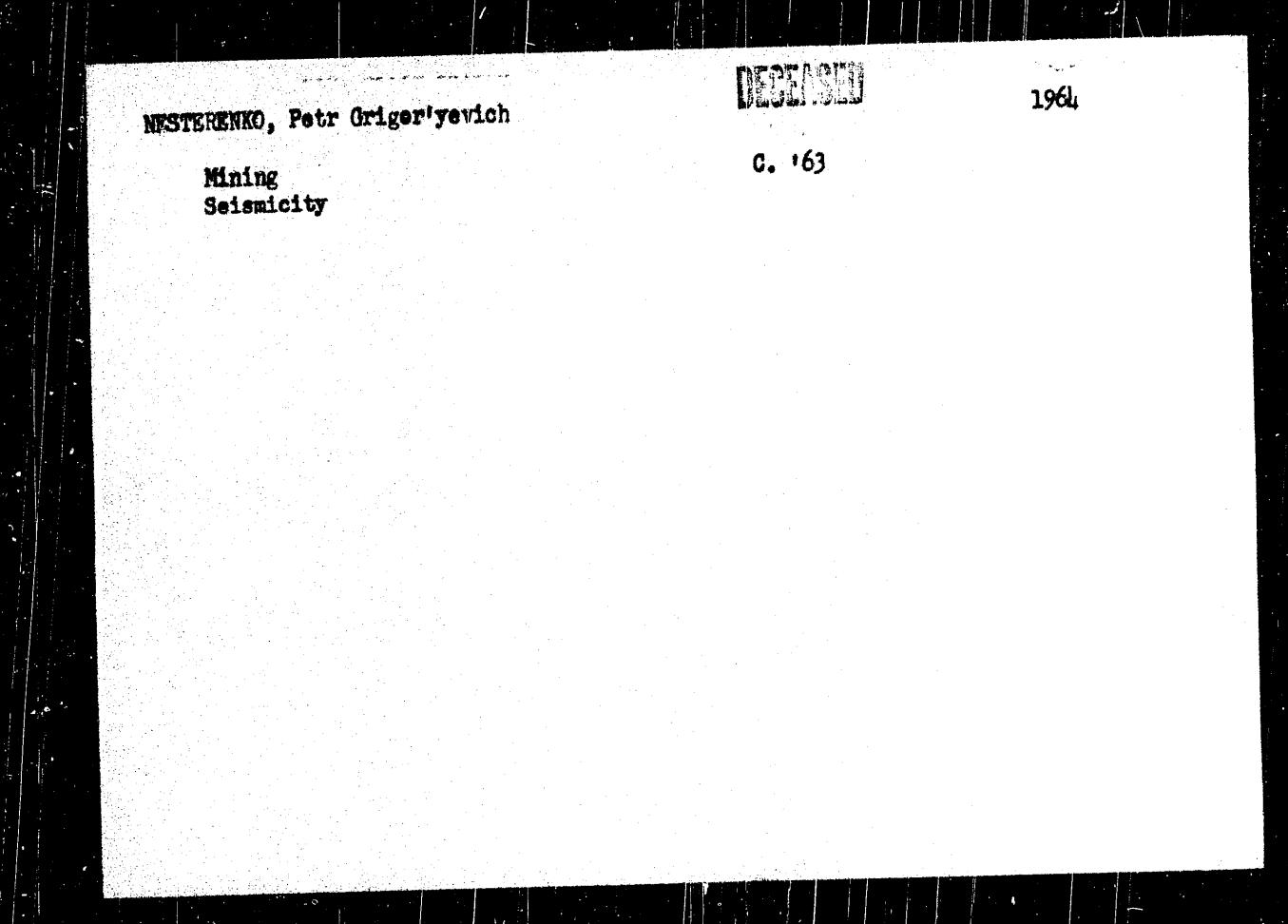
DECLASSIFIED

1984

C. '63

NESTERENKO, Petr Grigoryevich

Mining
Seismicity



PA 50/49T34

USER/Engineering
Welding, Arc

MAY 49

"First Seminar of Welding Specialists at the
Khar'kov Branch of the Welders' VNITO," P. A.
Nesterenko, 1/2 P

"Argon Delo" No 5

Representatives of 24 cities attended a seminar
held 15 Jan 49. Reports included one on ultra-
short arc welding and one on welding methods
used in Khar'kov "Svet Shakhtera" Plant. Mech-
ods used in factories of the representatives
were discussed, among them preparation of elec-
trodes by A. Ye. Lepkus, chief, Welding Bureau

50/49T34

USER/Engineering (Central)
of Novo-Kramatorskij Plant, and Engr N. Z. Stepanets
of Gorilovsky Plant imeni Kirov.

MAY 49

50/49T34

NESTERENKO, P., prof.

Cooperating with workers. MTO no. 3:54-55 Mr '59.
(MIRA 12:6)

1. Direktor Dnepropetrovskogo gornogo instituta imeni Artyoma.
(Dnepropetrovsk--Mining research)

NOV-127-58-3-17/24

AUTHORS: Bol'shakov, Ya.G. and Nesterenko, I.A., Mining Engineers

TITLE: Complex Work Organization on Section Nr 11 of the Gigant Mine (Kompleksnaya organizatsiya truda nauchastke Nr 11 shakhty Gigant)

PERIODICAL: Gornyy zhurnal, 1959, Nr 3, pp 73-74 (USSR)

ABSTRACT: The authors describe the contract work and piece-rate pay organized in section Nr 11 of the Gigant Mine of the Krivoy Rog basin. The deposit is formed by martite ores. Such work organization was introduced in October 1956. The workers of the section executed jobs fixed in advance and in a short time everyone became a specialist in his job. The results achieved by such organization during one year showed that by this system the ore extraction increased two-fold and the number of workers only by 23%. This system of work was introduced in all remaining sections of the mine and, in 5 months, the work productivity increased by 13% in comparison with the planned output and the average daily worker's pay increased by 16%. There is 1 table.

1. Mining industry--USSR
2. Personnel--Performance 3. Ores--Production

Card 1/1

SLIPKO, R., kapitan-nastavnik; NESTERENKO, P., inzh.

Study and apply the best. Mr. flot 20 no.9:27-28 S '60.
(MIRA 13:9)

1. Chernomorskoye parohodstvo (for Slipko). 2. Starshiy mekhanik
teplokhoda "Stanislav" (for Nesterenko).
(Tank vessels--Cleaning)

NESTERENKO, P.

Ways of increasing the operational safety of an BIR 43/61 engine.
Mor.flot 17 no.1:17-19 Ja '57. (MLRA 10:3)

1. Starshiy inzhener-mekhanik-nastavnik Ministerstva morskogo
flota. Chernomorskoye parokhodstvo.
(Marine engines) (Merchant marine--Safety measures)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

KVASNIKOV, Ye.I. [Kvashnikov, Ye.I.]; RIKHOVA, I.M.; SHTEINBERG, O.A.

All-Union Conference on the Biosynthesis of Plant Biomass, Fungal
and Bacterial Biomass. Mikrobiologiya, Biokhimiya i Biotekhnika.
(MBA 18:8)

NESTERENKO, O.A. [Nesterenko, O.O.]

Pigment-forming bacteria of the genus *Pseudomonas* Migull.
Mikrobiol. zhur. 25 no. 3:53-58 '63. (MIRA 17:1)

1. Institut mikrobiologii AN UkrSSR.

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, O.A. [Nesterenko, O.O.]

Characteristics of homofermentative coccal lactic acid bacteria
isolated from the epiphytic microflora of some plants of the
Ukraine. Mikrobiol. zhur. 25 no.5:29-36 '63 (MIRA 16:12)

1. Institut mikrobiologii AN UkrSSR.

NESTERENKO, O.O.; VIRNIK, D.F. [Virnyk, D.F.]

Book on the development of state monopoly capitalism in Russia
("State monopoly capitalism in Russia" by A.P.Pogrebinskii.
Reviewed by O.O.Nesterenko, D.F.Virnyk). Dop.AN URSR no.2:
238-244 '60. (MIRA 13:6)

(Capitalism)
(Pogrebinskii, A.P.)

SHUL'GA, Zakhar Petrovich [Shul'ha, Z.P.]; NESTERENKO, O.O., inzh.^{na} atv. red.;
MIRONETS', O.M. [Myronets', O.M.], red.; KHOKHANOVSKAYA, T.I.
[Khokhanov's'ka, T.I.], tekhn. red.

[Preparations for the over-all collectivization of agriculture
in the Ukraine] Pidhotovka sutsil'noi kolektivizatsii sil's'ko-
ho hospodarstva na Ukraini. Kyiv, Vyd-vo Kyivs'koho univ.,
1960. 149 p. (MIRA 1 5:1)

1. Chlen-korrespondent Akademii nauk URSR (for Nesterenko).
(Ukraine--Agriculture, Cooperative)

NESTERENKO, Aleksey Aleksayevich [Nesterenko, O.O.]; GORELIK, L.Ye. [Horielik, L.E.], doktor ekonom.nauk, otv.red.; NOVIKOVA, G.O. [Novikova, H.O.], red.izd-va; SKLYAROVA, V.Ye., tekhn. red.

[Development of industry on the Ukraine] Rozvytok promyslovosti na Ukrainsi. Kyiv, Vyd-vo Akad.nauk URSR. Pt.1. [Handicraft and manufacture] Remeslo i manufaktura. 1959. 495 p.

(MIRA 12:10)

(Ukraine--Industries)

NESTRENNKO, O.O., doktor ekon.nauk

Tb, Communist Party of the Ukraine in the campaign to convert the Ukrainian S.S.R. into a mighty industrial and collective farming power. Visnyk AN URSR 29 no.8:14-21 Ag '58.
(MIRA 13:6)

(Ukraine--Economic conditions)

NESTERENKO, O.O., doktor ekou. nauk

Absolute and relative impoverishment of the proletariat under
capitalism in our time. Visnyk AN URSR 29 no. 6:3-12 Ja '58.

(M.RA 11:7)

(Labor and laboring classes)

NESTERENKO, O.O.; CHUISTOV, V.M.

Basic problems in the field of economic studies in the Ukraine.
Visnyk AN URSR 26 no.9:7-15 S'55. (MLRA 8:11)
(Ukraine--Economic conditions) (Ukraine--Economics--Study
and teaching)

NESTERENKO, O.O.
USSR/ Miscellaneous - Political history

Card 1/1 Pub. 138 - 2/10

Author: Nesterenko, O.O.

Title: ~~Economical agreements during the unification of the Ukraine with Russia~~

Periodical: Vianik AN URSR 5, 16-32, May 1954

Abstract: Historical documents are presented showing the economical agreements signed between Russia and leaders of the Ukraine prior to the unification of the two countries in 1654. Fifty seven USSR references (1622-1953).

Institution:

Submitted:

NECSTYUKO, O. O.

Economics

I. V. Stalin on the decline of a single world market and the cooperative nature of the world capitalistic system, Voprosy All Uchenii 24, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, O.O.

I.V.Stalin on nature of economic laws of socialism. Visnyk AN URSR 24
no.11:26-31 N '52. (MIRA 9:9)
(Stalin, Iosif, 1879-1953) (Economics)

KRASNIKOV, Ye.I. [Krasnykov, YE.I.]; ISAKOVA, D.M.; NESTERENKO, O.A.
[Nesterenko, O.O.]

Use of some wastes of the antibiotics industry for growing
fodder yeast. Mikrobiol. zhur. 27 no.5:80-84 '65.

(MIRA 18:10)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

MOSEKHO, O.A. [Nesterenko, O.]

Lecturer and organizer of counterintelligence and security training
of the Ukrainian SSR. Soviet KGB General Directorate, Kiev.
1. Institute of Correspondence Education.

NESTERENKO, O.A. [Nesterenko, O.O.]

Characteristics of the heterofermentative lactic acid cocci
isolated from the epiphytic microflora of some plants of the
Ukraine. Mikrobiol. zhur. 25 no. 6-12'63 (MIRA 1987)

1. Institut mikrobiologii AN UkrSSR.

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, N.V., assistant

Comparative evaluation of temperature changes in DMR 74/160-type
engine pistons under the effect of pressure charging. Sud. sil. ust.
no. 2172-79 ('60).
(MIRA 17:1)

1. Leningradskoye vysheye inzhenernoye morskoye uchilishche im. admira-
rala Makarova.

ORLOV, D.S.; NESTERENKO, N.V.

Formation of cobalt, nickel, copper, and zinc humates. Nauch. dokl. vys. shkoly; biol. nauki no. 3:195-198 '60. (MIRA 13:8)

1. Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Humic acid) (Metals)

PETROVSKIY, Nikolay Viktorovich. Prinimali uchastiye: KAMKIN, S.V., kand. tekhn.nauk; NESTERENKO, N.V., aspirant; OVSYANNIKOV, M.K., kand. tekhn.nauk. EPEL'MAN, T.Ye., dotsent, kand.tekhn.nauk, retsenzent; ROLINSKIY, V.Yu., dotsent, kand.tekhn.nauk, retsenzent; TABACHNIKOV, L.Ya., dotsent, kand.tekhn.nauk, retsenzent; ERINCHEK, A.M., dotsent, kand.tekhn.nauk, retsenzent; GRIBANOV, V.I., kand.tekhn.nauk, nauchnyy red.; APTEKMAN, M.A., red.; FRUMKIN, P.S., tekhn.red.

[Special problems in the theory of marine diesel engines] Spetsial'nye voprosy teorii sudovykh dizelei. Leningrad, Gos.sciuznoe izd-vo sudostroit.promyshl., 1960. 311 p. (MIRA 13:10)
(Marine diesel engines)

MESTERENKO, N. V.

~~SCIENCE~~ Biology - Genetics

Card 1/1 : Pub. 22 - 34/44

Authors : Mesterenko, N. V.

Title : Hybridization of the Uralian fish (Ripus) with the Chudsk region whitefish.

Periodical : Dok. AN SSSR 97/6, 1065-1068, Aug 21, 1954

Abstract : Biological-genetics data on the acclimatization and hybridization of certain types of Ural region fish with whitefish of the Chudsk region, are presented. Three USSR references (1948 and 1951). Tables; drawings.

Institution : Ural Branch of the All-Union Scient. Research Institute for Lake and River Fisheries.

Presented by : Academician E. N. Pavlovskiy, May 19, 1954

NESTEKLENOKM

SHABASHOV, Ya.F.; NESTERENKO, N.T.

Producing pressed and drawn copper goods possessing high
electric conductivity. TSvet.met. 28 no.5:55-62 S-0 '55.

(MIRA 10:10)

(Copper)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTOROVNIKO, N.P.

Pneumatic level relay for the automation of water discharge systems.
From, energ. 20 no. 5:31 My '65. (MIRA 18:7)

NESTERENKO, N.I.

Use of a "Ural" electronic computer in analyzing the longitudinal elastoplastic vibrations of rods. Vop. vych. mat. i
tekhn. no.2:95-126-164. (MIA 18:12)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, N. I. (Minsk)

Hydraulic track lifter. Pat' i put. khoz, 9 no. 719-10 '66
(MINA 18/10)
1. Glavnyy inzh. Beloruseskoy dorogi.

APPROVED FOR RELEASE 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, N.I.

Chitosan preparations in beet aphid control. Trudy VIZR no.20 pt.1:
25-27 '64. (MIRA 18:10)

L 01457-66 ENT(m)/EXP(w)/ETC(m) EM/WW

ACCESSION NR: AR5017753

UR/0372/65/000/006/G017/G017
62-506:065.11.56

SOURCE: Ref. zh. Kibernetika. Svodnyy tom, Abs. 6G111

AUTHOR: Nesterenko, N. I.

TITLE: Use of the "Ural" electronic computer for studying longitudinal elastoplastic vibrations of rods

CITED SOURCE: Sb. Vopr. vychisl. sistem. i tekhn. Vyp. 2. Tashkent, 1964, 95-126

TOPIC TAGS: vibration analysis, electronic computer/ Ural computer

TRANSLATION: Longitudinal elastoplastic vibrations of rods are studied. Two computational methods are considered: the net-point method and Shapiro's method. Calculating programs for both methods are compared on the "Ural" computer. In both cases use is made of the necessary standard subprograms from the library of standard subprograms of the "Ural" computer. L. L.

SUB CODE: DP, ME

ENCL: 00

Card 1/1

DOLIDZE, G.V., kand.biolog.nauk; VOLKOVA, L.P., starshiy nauchnyy sotrudnik;
NESTERENKO, N.I., kand.biolog.nauk; TKALICH, P.P.

From practices in the use of poisonous chemicals. Zashch. rast.
ot vred. i bol. 8 no.9:20-21 S '63. (MIRA 16:10)

1. Institut sadovodstva, vinogradarstva i vinodeliya Gruzinskoy
SSR (for Dolidze). 2. Pskovskaya sel'skokhozyaystvennaya opytnaya
stantsiya (for Volkova). 3. Laboratoriya toksikologii Vsesoyuznogo
nauchno-issledovatel'skogo instituta sakhariny svetly, Kiiev (for
Nesterenko).

NESTERENKO, N. I. (Minsk); ZAYTSEV, P. F., kand. tekhn. nauk (Minsk);
AKIMOV, V. I., kand. tekhn. nauk (Minsk); SHUL'PENKOV, V. M.,
inzh. (Minsk)

Prospects of the expansion of the White Russian Railroad.
Zhel. dor. transp. 45 no. 1:49-51 Ja '63. (MIRA 16:4)

1. Glavnnyy inzh. Belorusskoy dorogi (for Nesterenko).

(White Russia--Railroads)

NESTERENKO, N. I., Cand Biol Sci -- (diss) "An Evaluation of the Mechanical Methods and a Development of Chemical Techniques of Combatting the Beet Weevil [Bothynoderes punctiventris Germ.] on the Beet Field in Mass-Breeding Areas," Kiev, 1960; 17 pages. (Ministry of Agriculture UkrSSR. Ukrainian Academy of Agricultural Sciences); 150 copies; price not given. (KL, 21-60, 121)

NESTERENKO, N.I., kand.biolog.neuk

Chemistry and the control of sugar beet pests. Khim.prom. [Ukr.]
no.1:37-38 Ja-Mr '64. (MIA 17:3)

NESTERENKO, N. I.

USSR / General and Specialized Zoology. Insects.
Insect and Kite Posts. P

Abs Jour : Ref Zool - Biol., No 10, 1955, No 44850

Author : Nesterenko, N. I.

Inst : Not given

Title : New Methods of Controlling the Beet Jeevil on
Old Beet Plots.

Orig Pub : Sakharnaya svetla, 1956, No 10, 27-32

Abstract : The trapping of beetles with guiding ditches
(having a 50 x 50 m. netting) dug out by a plan-
te fixed on the tractor's wheel, with pits at
every 10 m, was assumed to be 100% (control).
The trapping of the beetles in ditches, laid with
a ditch-excavator KMK-15, with pits at 10 m, was
173.5%, and with pits at 20 m, 159.7%. Experi-
ments in the use of contact insecticides were

Card 1/2

DVORETSKIY, V.G.; NESTERENKO, N.G.; RUCHKIN, A.V.

Improvement of methods and combined geophysical investigations
of the carbonate sediments of the Volga-Ural region. Geol. nefti
i gaza 7 no.11:47-52 № 163. (MIRA 17:8)

1. Volgo-Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta geofizicheskikh metodov truda.

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

IRVING ELKO, M.G.

Carried out all of the intelligence work of the Inter-American
Federation of Information Agencies. (I.F.I.A.) The official name is
I.F.I.A. 1947.

NESTERENKO, N.G., inzh.

Vertical bus bars for 6,5 kv. and 2,000 a. Prom.energ. 15
no. 4:34-37 Ap 160. (MIR 1):6)

1. Giproshakht.
(Bus conductors(Electricity))

SOV/94-58-10-10/30

Vertical Distribution of Electric Power by Busbars
that result from the use of such busbar systems are
enumerated. There is an editorial note describing
earlier work on this subject. There are 2 figures.

ASSOCIATION: Giproshukht

Card 2/2

SOV/94-58-10-10/20

AUTHOR: Nesterenko, N.G., Engineer
TITLE: Vertical Distribution of Electric Power by Busbars
(Vertikal'noye raspredeleniye elektroenergii slinoprovodami)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 10, pp 23-25 (USSR)

ABSTRACT: Distribution of power by vertical busbars is particularly advantageous in multi-storey industrial buildings such as are met in coal washeries and other types of building which may be twelve storeys high. The use of vertical bare busbars in such a case is illustrated diagrammatically in Fig.1. and a model of a busbar installation is illustrated in Fig.2. The construction of such busbar installations is described. The conductors are of angle or strip steel protected by asbestos cement shields where necessary. The advantages

Card 1/2

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

MOSCOW, N.A.

ionization rate, recombination, and mean lifetime of the
flames. The work was done by Dr. R. D. G. T. (SRI)

1. On propagation of instabilities in flames.

ROSSIKHIN, V.S.; NESTERENKO, N.A.

Intensity of luminosity and ionization in a flame. *Fiz.abor.*
no.4:320-323 '58. (MIRA 12:5)

1. Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya
vostochedineniya Ukrayiny s Rossiyey.
(Flame) (Ionization)

GOLENKOV, P. (Nesvizh, Minskoy oblasti); NIKITIN, V.; NALIMOVA, Yu.,
mladshiy nauchnyy sotrudnik; GURLEV, A., agronom; PLATONOVA,
Ye., agronom; YEGOROVA, L., nauchnyy sotrudnik; NESTERENKO,
N., kand. biolog. nauk

From the practices in the use of poisonous chemicals. Zashch.
rast. ot vred. i bol. 10 no. 5:25-27 '66. (MFA 1966)

1. Toksikologicheskaya laboratoriya Nauchno-issledovatel'skogo
instituta kartofel'nogo khozyaystva (for Yegorova). 2. Toksikolo-
gicheskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo
instituta zashchity rasteniy pri Vsesoyuznom nauchno-issledova-
tel'skom institute zashchity rastenij (for Nesterenko).

NESTERENKO, M.Z.; ZDANOW, W.M.; ZUKOWSKI, A.M.; Tlum: dr.med. ADONAJLO, A.

Studies on the epidemiology of influenza A2. Przegl. epidem. 15
no.3:265-278 '61,

1. Instytut Wirosologii im. D J.Iwanowskiego ANM ZSRR, Moskwa.
(INFLUENZA ASIAN epidemiol)

KULIYEV, A.M.; KULIYEV, R.Sh.; DREYZINA, M.M.; KERVORKOVA, I.S.; ALIYEV, M.I.;
SULEYMANOVA, F.G.; EL'OVICH, I.I.; NESTERENKO, M.Ye.

Methods for improving the quality of oil for carburetor engines.
Sbor.trud.Az NII NP no.4:89-113 '59. (MIRA 15t5)
(Carburetors) (Lubrication and lubricants)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, M.T.; VIROVETS, O.A.

Methodology for determining sialic acids. Lab. deito 10 no. 4; 195-
200 '64.
(MIRA 17.5)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, M.T. (Moskva)

Clinical aspects of labor in protracted pregnancy. Fel'd.
i akush. 25 no. 7:19-22 Je '60. (MIRA 13:P)
(PREGNANCY, PROTRACTED)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, M.T. (Moskva)

Clinical course and outcome of hydatid mole. Fel'd. i akush.
25 no.5:7-10 My '60. (MIRA 13:7)
(PREGNANCY, MOLAR)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, M.T. (Moscow)

Professor V.S. Gruzdev's research. Fel'd. i akush 23 no.6:43-45
(MIRA 11:6)
Ja '58
(GRUZDEV, VIKTORIN SERGEEVICH, 1866-1938)

Ko
GOLUBEV, I.A.; NESTEREN~~K~~, M.S.

Measuring with instruments the settling of building and structure
foundations in the White Russian S.S.R. Sbor.nauch.trud.Bel.
politekh.inst. no.89:98-108 '60. (MIRA 14:8)
(White Russia--Foundations)

Socialist Construction in the Ural (Cont.)	951
Samatov, V.A. Technological Advances in Ural Industries During the Fourth Five Year Plan (1946-1950)	244
Yemel'yanov, V.P. and Zinochkin, A.G. Organizational and Economic Strength- ening of Kolkhozes in Sverdlovskaya Oblast' in the Postwar Period (1946-1955)	269
Minayev, I., and Cherezov, B. The Struggle for Greater Labor Productivity	314
Savin, A.G. Towards a Steep Rise in Farm Production	329
AVAILABLE: Library of Congress	

MM/fal
1-9-59

Card 3/3

- Socialist Construction in the Ural (Cont.) 951
- Nirenburg, Ya.L. Restoration and Consolidation of Soviet Power in the Ural Region Following the Defeat of Kolchak (1919-1920) 143
- Plotichkin, V.A. The Ural Party Organization in the Struggle to Restore the National Economy (1921-1925) 79
- Kulikov, V.M. The Ural Party Organization in the Struggle for the Socialist Industrialization Policy (1926-1929) 110
- Zuykov, V.N. Contributions to the History of the Creation of Ural Heavy Industry (1930-1932) 145
- Zuykov, V.N. The Ural Party Organizations in the Struggle for the Victory of Collective Farming (1927-1934) 177
- Nesterenko, M.S. Heroic Feats of Ural Workers During the Great Patriotic War 211

Card 2/3

NESTERENKO, M.S. PHASE I BOOK EXPLOITATION 951

Sverdlovsk, Russia. Institut Stroitel'nosti

Sotsialisticheskoye stroitel'stvo na Urale; sbornik statey (Socialist Construction in the Ural Industrial Area; Collection of Articles) [Sverdlovsk] Sverdlovskoye knizhnoye izd-vo, 1957. 345 p. 5,000 copies printed.

Ed. (front of book): Zuykov, V.N., Candidate of Historical Sciences; Ed. (back of book): Getling, Yu.; Tech. Ed.: Fal'mine, N.

PURPOSE: This collection of articles is intended for the general reader.

COVERAGE: The collection contains reports on the economic growth of the Ural Industrial Area, including the development of farming. Particular attention is given to the role played by this region during the 2nd World War. Relatively little space is devoted to the current Five Year Plan. There are 20 photographs in the text, some of which show industrial objects.

TABLE OF CONTENTS:

Buzunov, V.Ye. Defeat of the International Intervention and of the Kolchak Movement in the Ural Region

Card 1/3

NESTERENKO, M. L.

USSR/ Geology - Donets basin

Card 1/1 Pub. 46 - 17/21

Authors : Levenshteyn, M. L., and Nesterenko, M. L.

Title : On the question of the appearance of upper carboniferous orogenic gases in the Donets basin

Periodical : Izv. AN SSSR. Ser. geol. 1, 139-142, Jan-Feb 1955

Abstract : The author takes issue with points brought out in V. A. Bankovskiy's article, "Changes in the Physico-Geographical Conditions during the Upper Carboniferous Period in the Donets Basin in Connection with the Appearance of Tectonic Movements," -particularly with his contentions that considerable tectonic movement took place in the Donets basin during the beginning and end of the Carboniferous period and that during the Permian period a dry, desertlike climate set in in this region. An analysis is made of available data to refute these viewpoints. Seven USSR references (1948-1954).

Institution :

Submitted : June 8, 1954

NESTERENKO, M.K.

Influenza after the 1957 pandemic. Vop. virus. 10 no.3:293-302 My-Je
'65.
(MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

NESTERENKO, M.K.

Influenza in the U.S.S.R. J. hyg. epidem., Praha 8 no. 1-11 1964

1. Ivanovsky Institute of Virology, Academy of Medical Sciences
of the U.S.S.R., Moscow.

NESTERENKO, M.K.

Is there an increase in the morbidity from influenza? Vop. virus,
6 no.6:738-740 N-D '61. (Vira 15:2)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moscow.
(INFLUENZA)

NESTERENKO, Margarita Konstantinovna; NIKOL'SKIY, A.L., red.;
BEL'CHIKOVA, Yu.S., tekhn.red.

[Rare and especially dangerous infectious diseases and their
prevention] Osobo opasnye i redko vstrechayushchiyeisya
infektsionnye zabolевания i ikh profilaktika. Moskva, Gos.
izd-vo med.lit-ry Medgiz, 1960. 38 p.

(MIRA 14:2)

(COMMUNICABLE DISEASES--PREVENTION)

NESTERENKO, M.

Conduct under quarantine. Voen. znan. 35 no.2:29 F '59.
(MIRA 12:6)
(Bacteriological warfare)

NESTERENKO, M., kapitan meditsinskoy sluzhby.

Bacteriological warfare and defense. Za rul. 17 no.2:22-23 F '59.

(MIRA 12:3)

(Bacteriological warfare)

NESTERENKO, M.A.

Present-day state of and prospects for the expansion of
passenger railroad transportation in the U.S.S.R. Zhel.dor.
transp. 42 no.9:41-47 S '60. (MIRA 13:9)

1. Nachal'nik Glavnogo passazhirskogo upravleniya Ministerstva
putej soobshcheniya.
(Railroads--Passenger traffic)

GOLUBKOV, Vladimir Vladimirovich; KULAGIN, Viktor Markelovich;
NESTERENKO, Mitrofan Akimovich; RIDEL', E.I., red.; KHITROV,
P.A., tekhn.red.

[Loading and unloading at railroad stations] Pograzochno-
razgruzochnye raboty na zheleznodorozhnykh stantsiiakh.
Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 291 p. (MIRA 12:8)
(Railroads--Freight) (Loading and unloading)

ROZINA, D.Sh. & NESTERENKO, L.T.

Dipotassium salt⁺ of O-sulfobenzoic acid. Metod poluch. Vys. chist.⁺
prepar. no. 4/5; 92-93 '62.

O-Sulfobenzoic acid dichlorides (eutectic mixture of isomers).
Ibid.; 94-96 (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobo chistykh khimicheskikh veshchestv.

BRUDZ', V.G.; ROZINA, D.Sh.; NESTERENKO, L.T.

Acid guanidine malonate (acid malonic salt of urea imide).
Metod.poluch.khim.reak.i prepar. no.4/5:20-21 '62.

Guanidine-aluminum sulfate. Ibid.:21-22

Lead phthalate (neutral lead salt of phthalic acid). Ibid.:30-32
(MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobo chistiykh khimicheskikh veshchestv.

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

On the Synthesis and Structure of the Diacid Chlorides of o-Sulfobenzoic Acid

Card 4/4

On the Synthesis and Structure of the Dicloro Chlorides 36V/7-2-05-2-1-1-1
of o-Sulfobenzoic Acid

published on the labile thermal behaviour of the isomer with a higher melting point (78°) in the distillation were not confirmed. It was repeatedly separated out intact from the isomer mixture. The comparison of the half-wave potentials of the dichloro anhydrides of o-sulfobenzoic acid and o-phthalic acid suggests that the dichloro anhydride of o-sulfobenzoic acid with a m.p. 40° possesses a symmetric, and that with a m.p. 79° possesses a lactone structure. There are 4 figures, 1 table, and 16 references, 2 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov (All-Union Scientific Research Institute of Chemical Reagents)

SUBMITTED: July 18, 1957

Card 3/4

On the Synthesis and Structure of the Dicid Chloride of o-Sulfobenzoic Acid

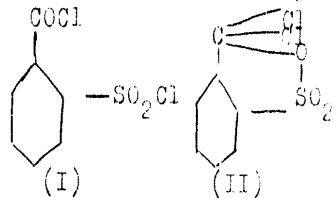
of the two dicid chlorides possessed the *syn*-stereoisomer, and which the lactone derivative. The stereoisomeric form of the two isomers m.p. 142°, β (Ref. 2), and could be obtained in a variety of ways (Ref. 3, 4, 12, 11, 13). Unlike the dicid chloride with a m.p. 40°, that with a m.p. 79° could not be directly synthesized. It can be obtained from the isomer mixture after the decomposition of the dicid chloride with a m.p. 40° by ammonia. The paper water dispersion served the purpose of finding a technically convenient synthesis of the dichloro anhydrides of o-sulfobenzoic acid in the form of the mixture of the two isomers. It was found that the most convenient of all the experiments conducted was the carrying-out of the synthesis in the presence of phosphorus oxychloride, with the addition of the dipotassium salt of o-sulfobenzoic acid to the mixture of phosphorus pentachloride with a small quantity of phosphorus oxychloride. After various manipulations, the resulting solutions were eventually distilled under low pressure. The publication date

AUTHORS: Razina, D. Sh., Kostomarov, L. I., Svetlichny, A. P.
Taymukayn, Yu. Z.

TITLE: On the Synthesis and Structure of the Diacid Chloride of o-Sulfobenzoic Acid (O-sinteni i nitrogenii tifler i diacidov o-sul'fobenzoynoy kisloty)

PERIODICAL: Zhurnal obnaruzhenii, 1971, Vol. 1, No. 1,
pp. 287-290 (USSR)

ABSTRACT: These acid chlorides are generally employed in organic synthesis, and in particular in the synthesis of substituted phthalimide derivatives (Ref. 1-3). The diacid chlorides of o-sulfobenzoic acid were separated out in the form of two isomers of symmetric and lactone structures:



The one, with a m.p. 46°, is split off with the action of ammonia, whereas the other one, with a m.p. 73° remains stable to ammonia. The attempt to convert the one isomer into the other was unsuccessful. There is no complete opinion in the literature as to which

BRUDZ', V.G.; ROZINA, D.Sh.; NESTERENKO, L.T.

Synthesis of lead phthalate. Trudy IREA no.22:139-141 '58.
(MIRA 14:6)

(Phthalic acid)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, L. S.

NESTERENKO, L. S. -- "On the Problem of the Effect of Protracted Interoceptive Stimuli on Reflex Activity." Khar'kov, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

NESTERENKO, L.P.

Epidemiology and some clinical characteristics of tetanus in
Khmel'nitskiy Province. Zhur. mikrobiol., epid. i immun. 33
no.12:65-71 D '62. (MIRA 16:5)

1. Iz Khmel'nitskov oblastnoy sanitarno-epidemiologicheskoy stantsii.
(KHMEL'NITSKIY PROVINCE—TETANUS)

NESTERENKO, L. P.

Doc Geol-Min Sci - (diss) "Perm deposits of the Donets Basin." Leningrad, 1961. 28 pp; (Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst imeni G. V. Plekhanov); 200 copies; price not given; list of author's works on pp 27-28 (16 entries); (KL, 5-61 sup, 179)

NESTERENKO, L.P.

Method for correlating cross sections of lower Permian sediments in
the Donets Basin, along its northwestern boundaries, and in the
eastern part of the Dnieper-Donets Lowland. Izv. AN SSSR Ser. geol.
23 no.2:118-122 F '58. (MIRA 11:5)

1. Donetskiy industrial'nyy institut im. N.S. Khrushcheva, g. Stalino.
(Dnieper Lowland--Geology, Stratigraphic)
(Donets Basin--Geology, Stratigraphic)

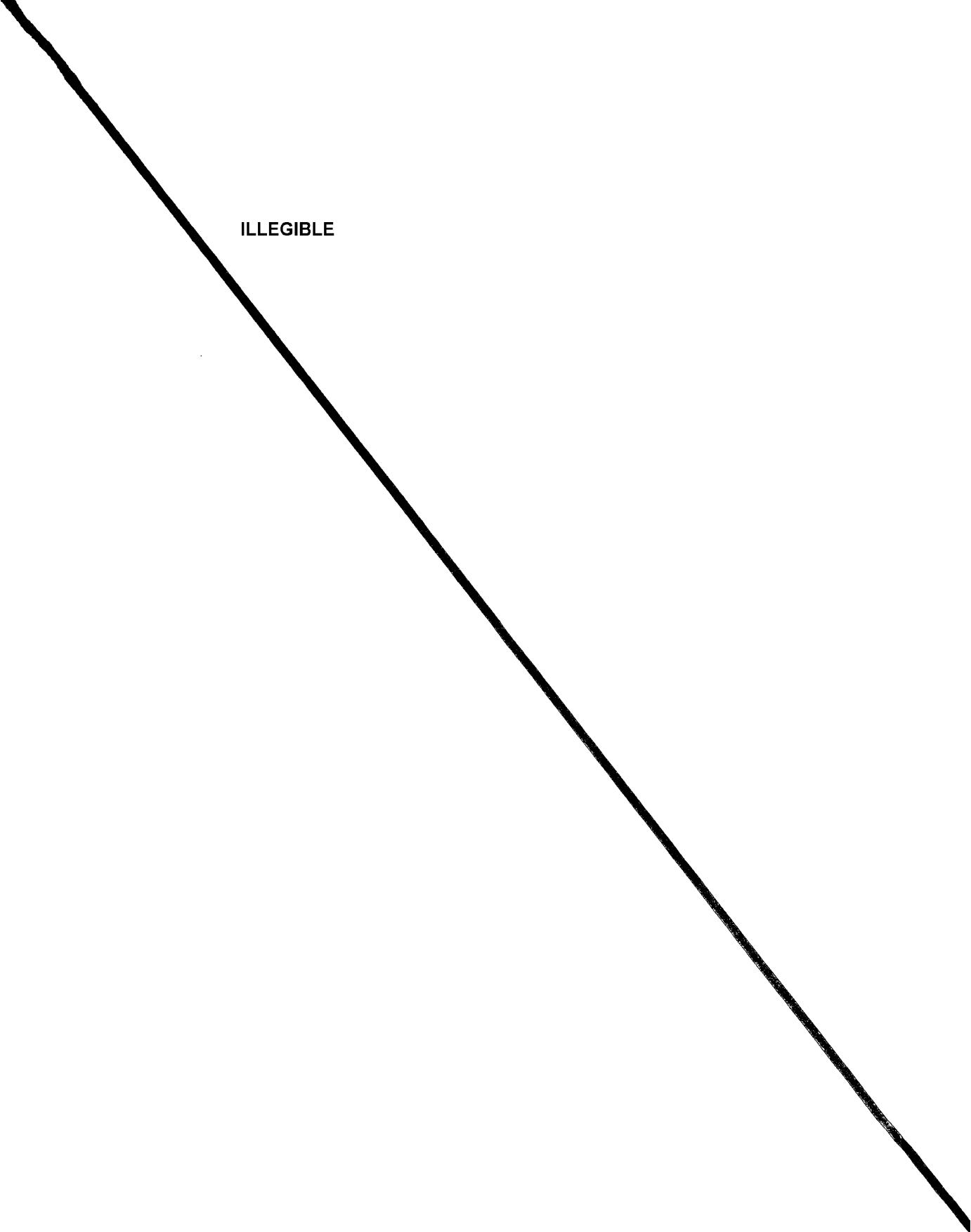
NESTERENKO, L.P.

About certain regularities in the distribution and composition of
Lower Tertiary deposits in the western part of the Donets Basin.
Dokl.AN SSSR 106 no.3:516-518 Ja '56. (MLRA 9:6)

1.Trest Artemuglegeologiya Ministerstva ugol'moy promyshlennosti
USSR. Predstavлено akademikom N.M.Strakhovym.
(Donets Basin--Geology, Stratigraphic)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

ILLEGIBLE



NESTERENKO, L. P.
USSR/ Geology

Card 1/1 Pub. 86 - 32/42

Authors : Nesterenko, L. P., Inosova, K. I., and Stepanov, A. A. (Donbass)

Title : Carbonized wood in mineral salt

Periodical : Priroda 45/1, page 117, Jan 56

Abstract : The finding of a piece of carbonized wood in a strata of rock salt in salt mine No. 2 in the Donbass region is taken as an indication of the existence of dry land with heavy vegetation in the vicinity of the marine areas which produced the salt. Illustration.

Institution :

Submitted :

KIREYEVA, G.D.; NESTERENKO, L.P.

Conditions of occurrence and the age of pebbles of conglomerates of
the sand-conglomerate series in the Donets Basin. Izv.AN SSSR Ser.
geol.21 no.3:104-107 Mr '56. (MIRA 9:7)

1. Ministerstvo ugol'noy promyshlennosti SSSR, Trest "Artemugle-
geologiya", Artemovsk.
(Donets Basin--Conglomerate)

ESTERENKO, L.P.

~~Stratigraphy of Permian deposits in the Donets Basin. Izv. AN SSSR.
Ser. geol. 21 no. 7:33-48 Jl '56.~~
(MLRA 9:10)

1. Ministerstvo ugol'noy promyshlennosti SSSR, trest "Artemuglegeologiya," gorod Artemovsk.
(Donets Basin--Geology, Stratigraphic)

NESTCENKO, L.P.

ISSN/Geology

Card 1/1 Pub. 22 - 37/51

Authors : Nesterenko, L. P.

Title : About the stratigraphy of Permian deposits in the Donets basin

Periodical : Dok. AN SSSR 101/2, 335-338, Mar 11, 1955

Abstract : Geological and paleontologic-ecological data are presented regarding the Permian deposits discovered in the Donets River Basin. Eleven Russian and USSR references (1914-1952). Diagrams.

Institution : Ministry of Coal Industry USSR, The Artemuglegeologiya Trust.

Presented by: Academician N. M. Strakhov, November 1, 1954

NESTERENKO, L. P.

USSR/ Geology

Card 1/1 Pub. 22 - 32/49

Authors : Nesterenko, L. P.

Title : The composition and structure of the cupriferous sandstone formations of the Donets River basin

Periodical : Dok. AN SSSR 100/5, 961-964, Feb 11, 1955

Abstract : Geological and petrographic data are presented regarding the composition and structure of cupriferous sandstone formations discovered along the Donets River basin in the Ukr. SSR. Nine Russian and USSR references (1915-1953).

Institution : Ministry of Coal Industry USSR, The "Artemuglegeologiya" Trust

Presented by : Academician N. M. Strakhov, November 5, 1954

NESTERENKO, L. P.

User/ Geology - Paleontology

Card 1/1 Pub. 22 - 45/60

Authors : Inosova, K. I., and Nesterenko, L. P.

Title : About the spores and pollens of the Permian period deposits in the
Don River basin

Periodical : Dok. AN SSSR 100/4. 779-782, Feb 1, 1955

Abstract : The geological and paleontological characteristics of spores and pollens
found in Permian and upper coal layers of the western part of the Don
River basin in the USSR are described. Eight USSR references (1937-1952).
Illustrations.

Institution : Ministry of the Coal Industry USSR, The State All-Union Geological
Trust "Artemuglegeologiya"

Presented by: Academician D. V. Nalivkin, July 7, 1954

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, L.P.

KIREYeva, G.D.; NESTERENKO, L.P.

Schwagerina beds of the Donets Basin. Biul.MOIP. Otd.geol.30
no.4:71-73 Jl-Ag'55. (MLRA 8:12)
(Donets Basin--Geology, Stratigraphic)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6

NESTERENKO, L.P.

LEVENSHTEYN, M.L.; NESTERENKO, L.P.

Development of Upper Carboniferous orogenic phases in the
Donets Basin. Izv. AN SSSR Ser. geol. no.1:139-142 Ja-F '55.
(Donets Basin--Earth movements) (MLRA 8:2)

NESTERENKO, L. P.

USSR/ Geology

Card 1/1 Pub. 46 - 9/19

Authors : Neuterenko, L. P.

Title : About the fauna in a flint pebble of conglomerates and gravels of various sources of the Don basin

Periodical : Izv. AN SSSR. Ser. geol. 3, 133 - 137, May - Jun 1954

Abstract : Brief geological report is presented on the fauna traces discovered in flint pebbles extracted from conglomerates and gravels of the Don basin. Eight USSR references (1914 - 1952).

Institution:

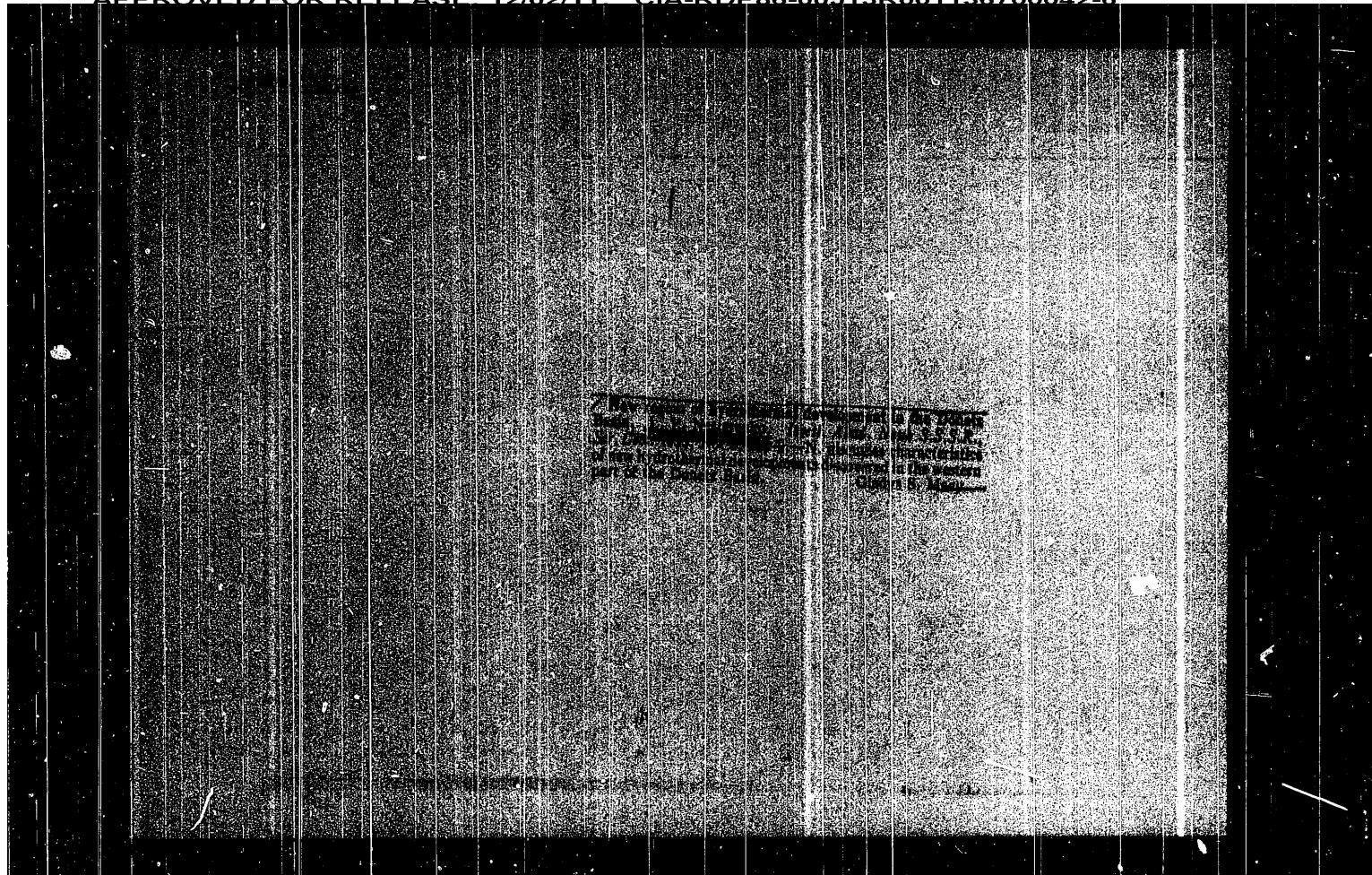
Submitted: June 12, 1953

NESTERENKO, L.P.; LEVENSHTEIN, M.L.

On the Upper Carboniferous deposits of the Donets Basin in connection
with the problem of developmental phases of the Donets orogenic cycle.
Dokl.AN SSSR 93 no.6:1085-1088 D '53. (MLBA 6:12)

1. Vsesoyuznyy geologo-razvedochnyy treat "Artemiglerazvedka," Ikonbase.
(Donets basin--Geology, Stratigraphic) (Geology, Stratigraphic--
Donets basin)

APPROVED FOR RELEASE: 12/02/11: CIA-RDP86-00513R001136700042-6



LEVINSHTEYN, M. L.; UESTER, K. L. P.

Geology - Donets Basin

Age of some conglomerates and gravelly deposits in the western part of the Donets Basin.
Bokl. AN SSSR 85 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1958. Unclassified. ²

L 23701-66

ACC NR: AP6004832

to sensomotor and visual cortex areas. Eserine and galanthamine were introduced intravenously. Results revealed parallelism between gradual depressant effect on acetylcholinesterase, bioelectric brain activity and animal behavior, particularly pronounced with galanthamine at a 3-5 mg/kg dose; a similar effect was obtained with eserine at 1/10 this dose accompanied by rapid, low amplitude bioelectric activity. These changes were seen when acetylcholinesterase activity had been reduced to 8.8% in the hemispheres, 50.9% in the thalamus, 33.9% in the hypothalamus, 41.3% midbrain and 36.5% medulla oblongata. A comparison of these effects with the effects of proserine introduced intravenously and into the lateral ventricles of the brain supports the assumption that proserine does not penetrate the hematoencephalic barrier; applied into the ventricles, proserine had the same effect as the other amines. With ten-fold inhibitor doses subcortical acetylcholinesterase activity, while depressed, remained at a high level. In tests with gradual resection of the brain stem and parallel determination of acetylcholinesterase under inhibitor effect, an attempt was made to determine the part of the stem to which reticulocortical activation is related. Absence of EEG activation appeared only when the midbrain was removed. It was concluded that cortical activation is related to the degree of acetylcholinesterase depression in the mesencephalic part of the brain. Orig. art. has: 2 figures.

SUB CODE: 06/ SUBM DATE: 06May64/ ORIG REF: 004/ OTH REF: 003
Card 2/2

L 23701-66 EWT(1)/T JK

ACC NR: AP6004832 SOURCE CODE: UR/0239/65/051/010/1177/1181

AUTHOR: Il'yuchenok, R. Yu.; Nesterenko, L. N.

ORG: Pharmacologic Laboratory of the Department of Experimental Biology and Pathology, Institute of Cytology and Genetics, Siberian Division, AN SSSR, Novosibirsk (Laboratoriya farmakologii Otdela eksperimental'noy biologii i patologii Instituta tsitologii i genetiki Sibirskogo otdeleniya AN SSSR)

TITLE: Participation of the acetylcholine-cholinesterase system in the mechanism of reticulocortical activation

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 10, 1965, 1177-1181

TOPIC TAGS: experiment animal, brain, nervous system drug, EEG, enzyme, tertiary amine, quaternary amine, hematoencephalitic barrier

ABSTRACT: A combined study on EEG effects of acetylcholinesterase inhibitors in 159 cats was conducted with eserine, galanthamine and proserine to determine their depressant effects on this enzymatic activity in various brain areas and the relationship to bioelectric brain activity and animal behavior. Enzymatic activity was determined in the hemisphere cortex, thalamus, hypothalamus, midbrain and medulla oblongata. Electrodes were introduced into the sections corresponding

UDC: 612.815+612.826

Card 1/2

2